

## Education & Safety - FOJ Integrated Map and GPS Web base System for Routes/Trail (FINAL)

FOR OFFICE USE ONLY:

Version # \_\_\_\_\_

APP # 700596

### A. Statement of Activity or Product

This project will develop an internet-based system for delivering designated motorized route information to the public. OHV users will register and navigate an easy-to-use interface of available route data to print maps and download routes into GPS units.

A data exchange standard will be developed to facilitate the receipt and processing of data from the participating state and federal land management agencies, and cities and counties.

As route designations are changed by the participating agencies, the route data will be update according to the exchange standard. Members of the public that previously downloaded the changed route data will be auto-notified of the route data update.

Route data will be viewable on Google Maps and made available for download by the public as individual routes or as sets of routes.

Route data could be shared periodically with commercial GPS route data providers to ensure that accurate motorized route data is offered to the motoring public.

The initial route data sets that will be served by the system will be limited to those in and around the greater Jawbone Canyon/East Kern area. The internet-based system, however, will allow scalable to accommodate future conforming data sets from agencies in other regions of the State.

To alert the OHV users of this online resource, Friends of Jawbone will make us of its communications outreach program which includes internet and traditional advertising, social networking notices, and news wire campaigns.

Those using the route database system will be prompted to register and set an array of communications preferences that will include periodic messages on topics of education and safety.

### B. Relation of Proposed Project to OHV Recreation

The goals of this project are:

- To enhance the safety of the recreating public by providing accurate OHV route information
- To protect sensitive resources by encouraging on-route travel by OHV users
- To sustain the public's existing OHV recreation opportunities through increased compliance with route designations

### C. Identification of Needs

Recent route re-designation efforts by land management agencies have resulted in uncertainty among the public regarding legal motorized travel on public lands. Many of these re-designation efforts have not yet yielded route maps for the public. In some areas the results of these route re-designation efforts have been successfully challenged in court, resulting in great confusion among OHV users over the legal route network.

Current resources used by the public are inaccurate from the standpoint of OHV route designation, including the base maps for GPS devices, USGS maps, and previous edition agency issued maps, i.e. Desert Access Guides, which are still sold.

Although the use of GPS technology and the internet increases among the public, the route data that is offered by existing resources often depicts routes that are closed to motorized travel.

The consequences of a motoring public that does not adhere to the designated route network are: damage to resources; route closures; and a loss of recreational and other opportunities for the public. In some cases, the consequences impact public safety.

Printed maps are only a snap-shot in time and unless regularly updated become outdated shortly after they are printed. Printed maps are lessening in popularity among the public, while electronic guidance is increasing in use.

Lastly, there does not exist a central repository of currently designated routes for motorized travel. Accurate route information cannot be readily obtained in digital format via the internet.

This project will be a ground-breaking response to each of these troubling deficiencies in public information. In addition to traditional OHV recreation, this project will help several recreational activities use motorized vehicles, such as: hunting; gem & mineral collecting; camping; wildlife watching; history seeking; picnic spaces; and star gazing

#### **D. Location of Training Services**

The public will have free, 24/7 on-demand access to the OHV route database from any internet connected computer or smart phone: home, office, school, almost anywhere.

#### **E. OHV Safety, Environmental Responsibility, and Respect Private Property**

Off-route travel can increase an OHV user's exposure to mining hazards such as open shafts and pits, contaminated soils, and unmaintained road surfaces. It can also lead to ground conditions beyond an OHV user's riding skill, and can result in disorientation and getting lost. The project teaches OHV safety by encouraging users to remain on designated routes.

Often environmental resources are negatively impacted, sometimes critically, by off-route travel. Habitat can be disrupted, soils can be marred, and cultural resources damaged or destroyed due to off-route travel. This project teaches environmental responsibility by encouraging users to remain on designated routes.

Private property, particularly that adjacent to public lands, often suffers from non designated OHV use. For some OHV users, the trespass occurs because they are unaware of the appropriate designated route for motorized use and the legal riding areas in which to operate.

This project teaches respect for private property by encouraging users to remain on designated routes.

## Additional Documentation

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- 1 Optional Project-Specific Application Documents
- 2 Optional Project-specific Maps

## Project Cost Estimate

FOR OFFICE USE ONLY:		Version # _____	APP # _____
<b>APPLICANT NAME :</b>	Friends of Jawbone		
<b>PROJECT TITLE :</b>	Education & Safety - FOJ Integrated Map and GPS Web base System for Routes/Trail (FINAL)	<b>PROJECT NUMBER (Division use only) :</b>	G09-04-13-S01
<b>PROJECT TYPE :</b>	<input type="checkbox"/> Acquisition <input type="checkbox"/> Development <input checked="" type="checkbox"/> Education & Safety <input type="checkbox"/> Ground Operations <input type="checkbox"/> Law Enforcement <input type="checkbox"/> Planning <input type="checkbox"/> Restoration		
<b>PROJECT DESCRIPTION :</b>	<p>This project will develop an internet-based system for delivering designated motorized route information to the public. OHV users will register and navigate an easy-to-use interface of available route data to print maps and download routes into GPS units.</p> <p>A data exchange standard will be developed to facilitate the receipt and processing of data from the participating state and federal land management agencies, and cities and counties.</p> <p>As route designations are changed by the participating agencies, the route data will be update according to the exchange standard. Members of the public that previously downloaded the changed route data will be auto-notified of the route data update.</p> <p>Route data will be viewable on Google Maps and made available for download by the public as individual routes or as sets of routes.</p> <p>Route data could be shared periodically with commercial GPS route data providers to ensure that accurate motorized route data is offered to the motoring public.</p> <p>The initial route data sets that will be served by the system will be limited to those in and around the greater Jawbone Canyon/East Kern area. The internet-based system, however, will allow scalable to accommodate future conforming data sets from agencies in other regions of the State.</p> <p>To alert the OHV users of this online resource, Friends of Jawbone will make us of its communications outreach program which includes internet and traditional advertising, social networking notices, and news wire campaigns.</p> <p>Those using the route database system will be prompted to register and set an array of communications preferences that will include periodic messages on topics of education and safety.</p>		

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
<b>DIRECT EXPENSES</b>							
<b>Program Expenses</b>							
1	Staff						
	Other-Project Manager	963.000	50.000	HRS	0.00	48,150.00	48,150.00
	Other-Lead Programmer	700.000	55.000	HRS	38,500.00	0.00	38,500.00

Project Cost Estimate for Grants and Cooperative Agreements Program - 2009/2010  
 Agency: Friends of Jawbone  
 Application: Education & Safety - FOJ Integrated Map and GPS Web base System for Routes/Trail (FINAL)

2/28/2010

	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
	Other-Jr. Programmer	700.000	40.000	HRS	28,000.00	0.00	28,000.00
	Other-GIS Specialist	700.000	55.000	HRS	38,000.00	500.00	38,500.00
	Other-Lead Designer	350.000	45.000	HRS	15,750.00	0.00	15,750.00
	Other-Jr. Designer	350.000	30.000	HRS	10,500.00	0.00	10,500.00
	Other-GIS Technician	1575.000	30.000	HRS	47,250.00	0.00	47,250.00
	Other-Internet/Web Manager	80.000	30.000	HRS	0.00	2,400.00	2,400.00
	<b>Total for Staff</b>				178,000.00	51,050.00	229,050.00
<b>2</b>	<b>Contracts</b>						
<b>3</b>	<b>Materials / Supplies</b>						
<b>4</b>	<b>Equipment Use Expenses</b>						
<b>5</b>	<b>Equipment Purchases</b>						
	Other-WEB Servers	2.000	5000.000	EA	10,000.00	0.00	10,000.00
	Other-Server Software	2.000	3000.000	EA	6,000.00	0.00	6,000.00
	<b>Total for Equipment Purchases</b>				16,000.00	0.00	16,000.00
<b>6</b>	<b>Others</b>						
	Other-WEB Server -Hosting	2.000	3000.000	EA	6,000.00	0.00	6,000.00
<b>7</b>	<b>Indirect Costs</b>						
	Indirect Costs-Program administrative co	1.000	20000.000	YR	0.00	20,000.00	20,000.00
	<b>Total Program Expenses</b>				200,000.00	71,050.00	271,050.00
	<b>TOTAL DIRECT EXPENSES</b>				200,000.00	71,050.00	271,050.00
	<b>TOTAL EXPENDITURES</b>				<b>200,000.00</b>	<b>71,050.00</b>	<b>271,050.00</b>

Project Cost Summary for Grants and Cooperative Agreements Program - 2009/2010  
 Agency: Friends of Jawbone  
 Application: Education & Safety - FOJ Integrated Map and GPS Web base System for Routes/Trail (FINAL)

2/28/2010

	Line Item	Grant Request	Match	Total	Narrative
<b>DIRECT EXPENSES</b>					
<b>Program Expenses</b>					
1	Staff	178,000.00	51,050.00	229,050.00	
2	Contracts	0.00	0.00	0.00	
3	Materials / Supplies	0.00	0.00	0.00	
4	Equipment Use Expenses	0.00	0.00	0.00	
5	Equipment Purchases	16,000.00	0.00	16,000.00	
6	Others	6,000.00	0.00	6,000.00	
7	Indirect Costs	0.00	20,000.00	20,000.00	
<b>Total Program Expenses</b>		200,000.00	71,050.00	271,050.00	
<b>TOTAL DIRECT EXPENSES</b>		200,000.00	71,050.00	271,050.00	
<b>TOTAL EXPENDITURES</b>		<b>200,000.00</b>	<b>71,050.00</b>	<b>271,050.00</b>	

## Environmental Review Data Sheet (ERDS)

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### ITEM 1 and ITEM 2

#### ITEM 1

- a. ITEM 1 - Has a CEQA Notice of Determination (NOD) been filed for the Project? ☐ Yes ☒ No  
(Please select Yes or No)

#### ITEM 2

- b. Does the proposed Project include a request for funding for CEQA and/or NEPA document preparation prior to implementing the remaining Project Deliverables (i.e., is it a two-phased Project pursuant to Section 4970.06.1(b)) (Please select Yes or No) ☐ Yes ☒ No

### ITEM 3 - Project under CEQA Guidelines Section 15378

- c. ITEM 3 - Are the proposed activities a "Project" under CEQA Guidelines Section 15378? ☐ Yes ☒ No  
(Please select Yes or No)
- d. The Application is requesting funds solely for personnel and support to enforce OHV laws and ensure public safety. These activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. (Please select Yes or No) ☐ Yes ☒ No
- e. Other. Explain why proposed activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. DO NOT complete ITEMS 4 – 10
- The project does not involve any ground disturbing activities and is all accomplished via electronic operations/development using PC based applications.

### ITEM 4 - Impact of this Project on Wetlands

### ITEM 5 - Cumulative Impacts of this Project

### ITEM 6 - Soil Impacts

### ITEM 7 - Damage to Scenic Resources

### ITEM 8 - Hazardous Materials

Is the proposed Project Area located on a site included on any list compiled pursuant to Section 65962.5 of the California Government Code (hazardous materials)? (Please select Yes or No) ☐ Yes ☒ No

If YES, describe the location of the hazard relative to the Project site, the level of hazard and the measures to be taken to minimize or avoid the hazards.

### ITEM 9 - Potential for Adverse Impacts to Historical or Cultural Resources

Would the proposed Project have potential for any substantial adverse impacts to historical or cultural resources? (Please select Yes or No) ☐ Yes ☒ No

Discuss the potential for the proposed Project to have any substantial adverse impacts to historical or cultural resources.

**ITEM 10 - Indirect Significant Impacts**

**CEQA/NEPA Attachment**



## Evaluation Criteria

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### 1. Evaluation Criteria - Q 1.

The Applicant is applying for the following type of Project: (Check the one most appropriate.) (Please select one from list)

- ☒ Education – Applicants shall only respond to items 1, 2, 4, 5, 6, 7, 8, 9, 10 and 11  
☐ Safety – Applicants shall only respond to items 1, 2, 4, 5, 6, 12, 13, 14, and 15

1. As calculated on the Project Cost Estimate, the percentage of the cost of the Project covered by the Applicant is 3

(Note: This field will auto-populate once the Cost Estimate and Evaluation Criteria are Validated.) (Please select one from list)

- ☐ 76% or more (10 points) ☐ 51% - 75% (5 points)  
☒ 26% - 50% (3 points) ☐ 25% (Match minimum) (No points)

### 2. Evaluation Criteria - Q 2.

2. For Applicant's OHV Grant Projects which reached the end of the Project performance period within the last two years, the percentage of all deliverables accomplished 5

(Check the one most appropriate) (Please select one from list)

- ☒ 100% of Deliverable accomplished (5 points)  
☐ 75% to 99% of Deliverables accomplished (3 points)  
☐ Less than 75% of Deliverables accomplished (No points)  
☐ First time Applicants and past Applicants with no active Grant projects within the last two years (2 points)

### 3. Evaluation Criteria - Q 3. (FOR DIVISION USE ONLY)

3. Previous Year Performance

(FOR DIVISION USE ONLY) (Check the one most appropriate) (Please select one from list)

- ☐ In the previous year the Applicant has been responsive and communicated effectively with the assigned OHMVR Grant Administrator by phone, email or personal visit (3 points)  
☐ First time Applicants and past Applicants with no active Grant projects within the last two years (2 points)  
☐ In the previous year the Applicant has not been responsive (No points)

### 4. Evaluation Criteria - Q 4.

4. The Project will utilize partnerships to successfully accomplish the Project. The number of partner organizations that will participate in the Project are 4

(Check the one most appropriate.) (Please select one from list)

- ☒ 4 or more (4 points) ☐ 2 to 3 (2 points)  
☐ 1 (1 point) ☐ None (No points)

List partner organization(s)

Bureau of Land Management, Ridgecrest Field Office  
City of California City  
Kern County Board of Supervisors, District 1 and 2  
Red Rock Canyon State Park  
Sequoia National Forest

**5. Evaluation Criteria - Q 5.**

5. The Project addresses the following types of OHV Recreation 6

(Check all that apply.) Scoring: 1 point each (Please select applicable values)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> ATV        | <input checked="" type="checkbox"/> 4X4                              |
| <input checked="" type="checkbox"/> M.C.       | <input checked="" type="checkbox"/> Recreation Utility Vehicle (RUV) |
| <input checked="" type="checkbox"/> Snowmobile | <input checked="" type="checkbox"/> Dune buggy, rail                 |
| <input type="checkbox"/> Other (Specify)       |  |

**6. Evaluation Criteria - Q 6.**

6. The Project was developed with public input employing the following 2

(Check all that apply) Scoring: 1 point each, up to a maximum of 2 points (Please select applicable values)

- ☒ Publicly noticed meeting(s) with the general public to discuss Project (1 point)
- ☒ Conference call(s) with interested parties (1 point)
- ☒ Meeting(s) with stakeholders (1 point)

Explain each statement that was checked

A White Paper designed to solicit comments and suggestions was created in August 2009 and circulated at several meetings: BLM Ridgecrest Steering Committee, which includes stakeholders and members of the public; BLM Desert District Advisory Council, which includes stakeholders and members of the public at large, and whose meetings are noticed in the Federal Register; BLM Desert District OHV Leadership group, which includes OHV stakeholders; and Friends of Jawbone, which includes stakeholders and members of the public.

Other consultation meetings & conference calls included: the GIS team of the BLM California State Office; a GIS task force of the OHMVR Division; BLM Desert District Manager.

**7. Evaluation Criteria - Q 7. (Education Project ONLY)**

7. The Project incorporates the following, clearly identifiable and/or measurable, elements 10

(Check all that apply) (Please select applicable values)

- ☒ Process of researching issues and audience (2 points)
- ☒ Objectives (2 points)
- ☒ Testing process to ensure actions are effective (2 points)
- ☒ Plan to implement the Project (2 points)
- ☒ Evaluation and feedback of the process (2 points)

Explain each statement that was checked

The goals/objectives of this project are:

- To enhance the safety of the recreating public by providing accurate OHV route information
- To protect sensitive resources by encouraging on-route travel by OHV users
- To sustain the public's existing OHV recreation opportunities through increased compliance with route designations.

Results will be tested in accordance with:

- website traffic statistics, including registrations, page views, and data downloads
- agency participation and route coverage
- official and anecdotal visitor safety data
- agency data on area compliance with route designations
- effectiveness of area restoration projects

The project will include the development of a system deployment plan including time-lines and benchmarks.

The online system will include a robust feedback module for users to regularly comment on the project and to measure satisfaction. Meetings will be conducted with agency officials to solicit comments and suggestions regarding all aspects of the project.

**8. Evaluation Criteria - Q 8. (Education Project ONLY)**

8. Total number of times individuals are exposed to the message 4

(Check the one most appropriate.) (Please select one from list)

- ☒ Greater than 10,000 (4 points) ☐ 1,000 to 10,000 (3 points)  
☐ 100 to 1,000 (2 points) ☐ 20 to 100 (1 point)  
☐ 0 to 20 (No points)

Explain checked statement:

The public will have free, 24/7 on-demand access to the OHV route database from any internet connected computer or smart phone: home, office, school, almost anywhere.

This project will be a ground-breaking response to each of these troubling deficiencies in public information. In addition to traditional OHV recreation, this project will help several recreational activities use motorized vehicles, such as: hunting; gem & mineral collecting; camping; wildlife watching; history seeking; picnic spaces; and star gazing

**9. Evaluation Criteria - Q 9. (Education Project ONLY)**

9. Total time a participant will have exposure to the Project's message or training 2

(Check the one item of highest point value that applies.) (Please select one from list)

- ☐ Greater than 2 hours (4 points)  
☐ 1 hour to 2 hours (3 points)  
☒ 5 minutes to less than 1 hour (2 points)  
☐ 1 minute to less than 5 minutes (A Project for maps will fall under this category) (1 point)  
☐ Less than 1 minute (No points)

**10. Evaluation Criteria - Q 10. (Education Project ONLY)**

10. The Project will utilize the following methods of education 14

(Check all that apply) Scoring: 2 point each up to a maximum of 14 points (Please select applicable values)

- |  |   |
|--|---|
| <input type="checkbox"/> Hands on training                 | <input type="checkbox"/> Tool kits          |
| <input checked="" type="checkbox"/> Handouts               | <input checked="" type="checkbox"/> Events  |
| <input checked="" type="checkbox"/> Internet messaging/CDs | <input checked="" type="checkbox"/> Signage |
| <input checked="" type="checkbox"/> Advertising            | <input type="checkbox"/> Radio/TV           |
| <input checked="" type="checkbox"/> Community involvement  | <input type="checkbox"/> Other (Specify)    |
| <input checked="" type="checkbox"/> Public relations/media |   |

Explain each statement that was checked

Handouts promoting the existence and usefulness of the system will be disseminated at Jawbone Station, events such as Moose Anderson Days & OHV Safety Days, and in the field by FOJ and agency staff. Internet messaging will include outreach through the FOJ website, FOJ E-News subscriptions, Facebook, and on agency websites. Signs in the area that are erected by FOJ will include references to the online system. The community will respond with periodic information posted on their websites, forums and message boards. FOJ will utilize its membership in PR Newswire to provide information on the system to media outlets. The system will also receive promotion on future printings of the popular Friends of Jawbone Trail Map, now in its 7th printing.

**11. Evaluation Criteria - Q 11. (Education Project ONLY)**

11. The Project provides direct support for delivery of ATV Safety Institute and/or Motorcycle Safety Foundation training 0

(Check the one most appropriate.) (Please select one from list)

☒ No (No points)

☐ Yes (2 points)

Explain 'Yes' response

**12. Evaluation Criteria - Q 12. & 13. (Safety Project ONLY)**

12. The Project will utilize personnel trained to the following level

(Check the one most appropriate.) (Please select one from list)

- ☐ Emergency Medical Technician level, or higher (5 points) ☐ First Responder level (2 points)  
☐ First Aid and CPR (1 points) ☐ No training (No points)

13. The Project will provide search and rescue as follows

(Check the one most appropriate) (Please select one from list)

- ☐ 24 hours, 7 days per week (5 points) ☐ Less than 24 hours, 7 days per week (4 points)  
☐ Less than 24 hours, less than 7 days per week (2 points) ☐ On special occasions/events only (No points)

**13. Evaluation Criteria - Q 14. (Safety Project ONLY)**

14. The Project will have the majority of personnel trained in the following areas

(Check all that apply) Scoring: 2 points each up to a maximum of 16 points (Please select applicable values)

- |   |   |
|---|---|
| <input type="checkbox"/> Radio communication          | <input type="checkbox"/> Tracking skills          |
| <input type="checkbox"/> Avalanche rescue             | <input type="checkbox"/> Navigation training      |
| <input type="checkbox"/> Swift water rescue           | <input type="checkbox"/> ATV certification        |
| <input type="checkbox"/> Dog handling                 | <input type="checkbox"/> Motorcycle certification |
| <input type="checkbox"/> Rope skills                  | <input type="checkbox"/> 4 x 4/Off-Road training  |
| <input type="checkbox"/> Wilderness search and rescue | <input type="checkbox"/> Other (Specify)          |

**14. Evaluation Criteria - Q 15. (Safety Project ONLY)**

15. The Project will have resources that are equipped and trained for rescue in the following environmental conditions\*

(Check all that apply) (Please select applicable values)

- ☐ Type 1 – Extreme Condition (including but not limited to): Altitude (generally 7000 feet+) or Snow, Ice, Desert, Heat, Heavy ground cover, Steep difficult terrain. (2 points)  
☐ Type 2 – Rugged Terrain. Rugged conditions, Altitude (generally under 7000 feet), Heat, Cold concerns, Moderate to heavy ground cover. (2 points)  
☐ Type 3 – Moderate/Gentle Terrain. Gently rolling terrain, Open spaces, Maintained trailheads, and Agricultural areas. (2 points)  
☐ Type 4 – Urban. High traffic, Urban office complexes, man-made surfaces, Public interaction and Park trails. (2 points)

**\* From the Governor's Office of Emergency Services – Mutual Aid Guidelines, Search and Rescue, Off-Highway Vehicles**